

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.
13584 USSERIAL NO.
10/773,941

Millennium Inorganic Chemicals, Inc.

FILING
February 6, 2004GROUP
to be assigned

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,252,316	10/12/1993	Kriechbaum et al.			
	5,786,294	7/28/1998	Sachtler et al.			
	6,030,914	2/29/2000	Matsui			
	US 2001/0036437	12/1/2001	Gutsch et al.			
	6,511,642	1/28/2003	Hatanaka et al.			
	US 2003/0125417	7/3/2003	Vanier et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	EP 0 517 437	26/03/1997	EPO				
	WO 99/59754	25/11/1999	WIPO				
	WO 00/24676	4/05/2000	WIPO				
	WO 02/12123	14/02/2002	WIPO				

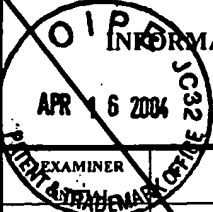
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

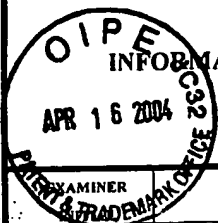
		Yoldas, B., "Zirconium Oxides Formed by Hydrolytic Condensation of Alkoxides and Parameters That Affect Their Morphology," Journal of Materials Science, 21, pp. 1086-1086 (1986).
		Caruso, et al., "ZrO ₂ Phase Structure in Coating Films and Powders Obtained by Sol-Gel Process," Journal of Sol-Gel Science and Technology, 3, pp. 241-247 (1994).

EXAMINER

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<div style="text-align: center;">  <p>INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)</p> </div>		Docket Number (Optional) 13584 US	Application Number 10/773,941
		Applicant(s) Millennium Inorganic Chemicals, Inc.	
		Filing Date February 6, 2004	Group Art Unit To be assigned
		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	Moon, et al., "Preparation of Monodisperse and Spherical Zirconia Powders by Heating of Alcohol-Aqueous Salt Solutions," J. Am. Ceram. Soc., 78[10], pp. 2690-2694 (1995).		
	Matsui, et al., "Raman Spectroscopic Studies on the Formation Mechanism of Hydrous-Zirconia Fine Particles," J. Am. Ceram. Soc., 78[1], pp. 146-152 (1995).		
	Matsui, et al., "Formation Mechanism of Hydrous-Zirconia Particles Produced by Hydrolysis of ZrOCl ₂ Solutions," J. Am. Ceram. Soc., 80[8], pp. 1949-1956 (1997).		
	Rivas, et al., "Evolution of the Phase Content of Zirconia Powders Prepared by Sol-Gel Acid Hydrolysis," J. Am. Ceram. Soc., 81[1], pp. 200-204 (1998).		
	Helble, J., "Combustion Aerosol Synthesis of Nanoscale Ceramic Powders," J. Aerosol Sci., vol. 29, No. 5/6, pp. 721-736 (1998).		
	Hu et al., "Nanocrystallization and Phase Transformation in Monodispersed Ultrafine Zirconia Particles from Various Homogeneous Precipitation Methods," J. Am. Ceram. Soc., 82[9], pp. 2313-2320 (1999).		
	"Influence of Some Parameters on the Synthesis of ZrO ₂ Nanoparticles by Heating of Alcohol-Aqueous Salt Solutions," Journal of Nanoparticle Research, 1:349-352 (1999).		
	Xia et al., "ZrO ₂ Nanopowders Prepared by Low-Temperature Vapor-Phase Hydrolysis," J. Am. Ceram. Soc., 83[5], pp. 1077-1080 (2000).		
	Matsui, et al., "Formation Mechanism of Hydrous-Zirconia Particles Produced by Hydrolysis ZrOCl ₂ Solutions: II," J. Am. Ceram. Soc., 83[6], pp. 1386-1392 (2000).		
	Matsui, et al., "Formation Mechanism of Hydrous Zirconia Particles Produced by the Hydrolysis of ZrOCl ₂ Solutions: III, Kinetics Study for the Nucleation and Crystal-Growth Processes of Primary Particles," J. Am. Ceram. Soc., 84[10], pp. 2303-2312 (2001).		
	Matsui, et al., "Formation Mechanism of Hydrous of Zirconia Particles Produced by Hydrolysis of ZrOCl ₂ Solutions: IV, Effects of ZrOCl ₂ Concentration and Reaction Temperature," J. Am. Ceram. Soc., 85[3], pp. 545-553 (2002).		
	Limaye, et al., "Morphological Control of Zirconia Nanoparticles Through Combustion Aerosol Synthesis," J. Am. Ceram. Soc., 85[7], pp. 1127-1132 (2002).		
EXAMINER		DATE CONSIDERED	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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Xie, Y., "Preparation of Ultrafine Zirconia Particles," J. Am. Ceram. Soc., 82[3], pp. 768-770 (1999).

Burton, et al., "Optimisation of the Preparation of Ceria/Zirconia Mixed Oxides by a Statistical Approach," www.zrchem.com/frames.html, undated, downloaded December 11, 2003.

"General Data Sheets on Zirconium Catalyst Products," www.zrchem.com/catalysisprods.html, undated, downloaded January 5, 2004.

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"Zirconium Compounds in Catalysts," www.zrchem.com, November/December 1992.

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"Sulfated Zirconia - A Catalyst Isomerisation Reactions," undated.

EXAMINER

/Timothy Vanoy/

DATE CONSIDERED

06/12/2006

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